

Fig. 1

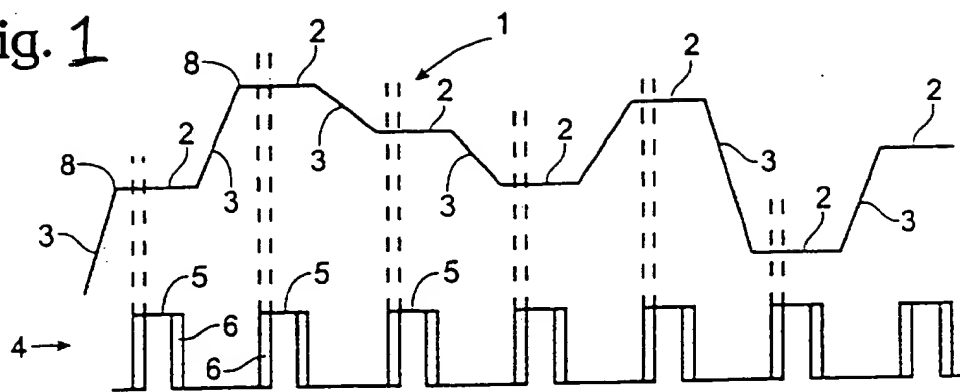


Fig. 2

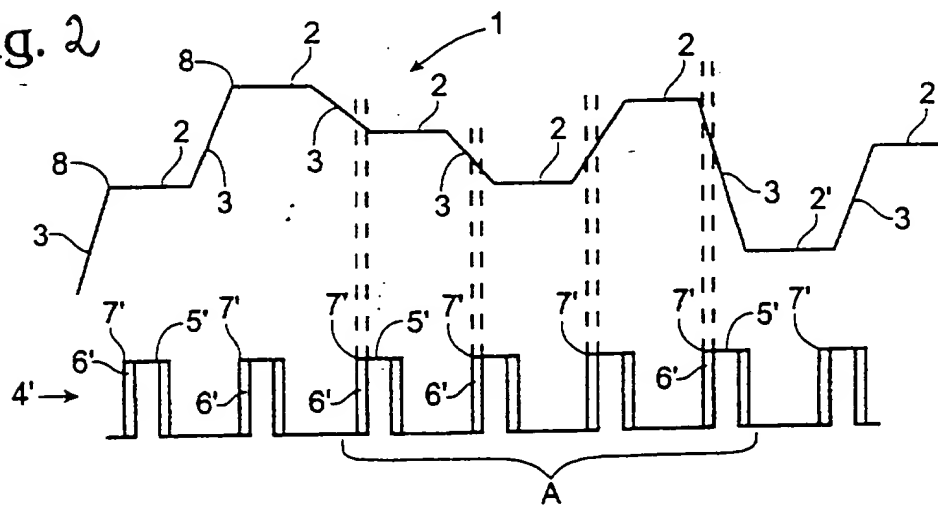


Fig. 3

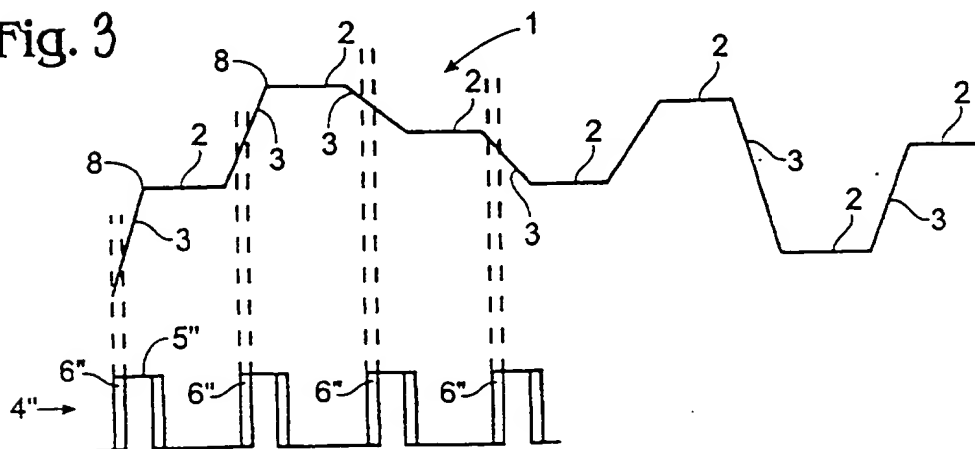


Fig. 4

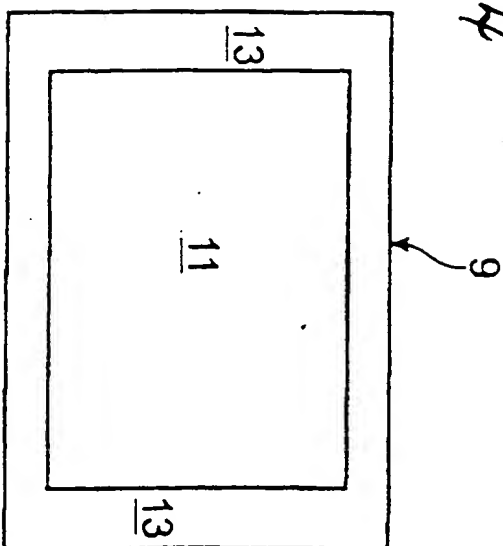


Fig. 5

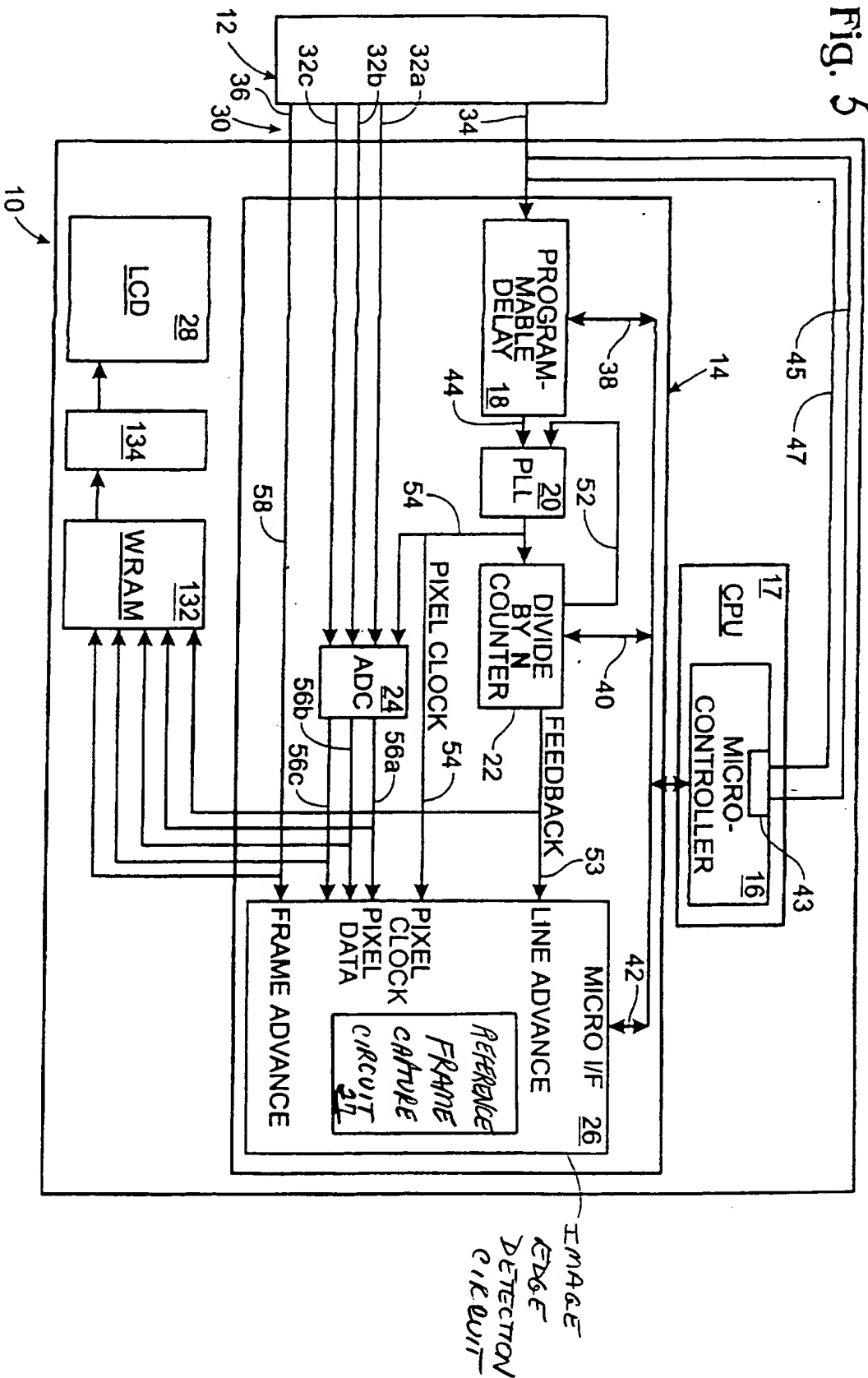


Fig. 6

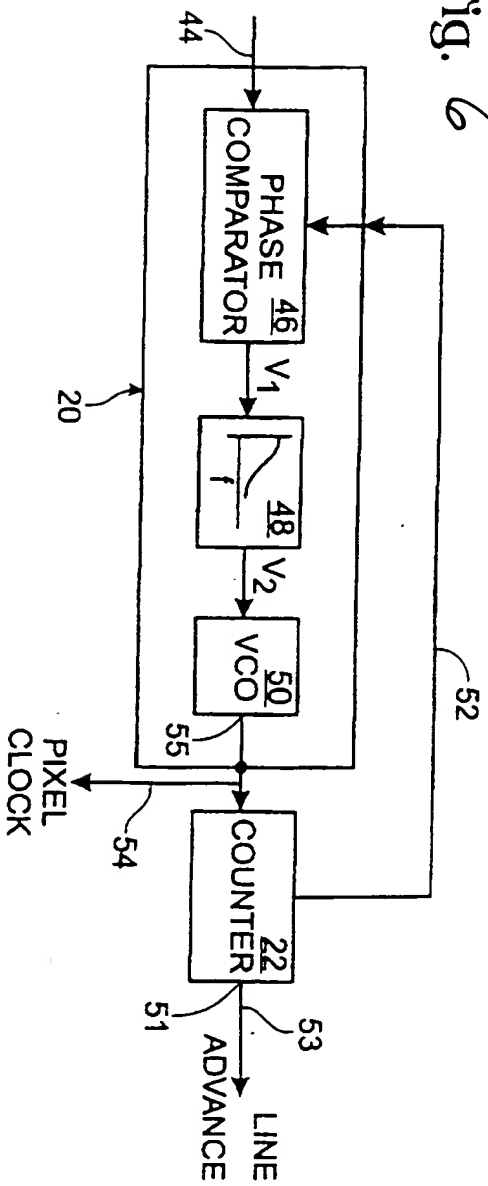


Fig. 7

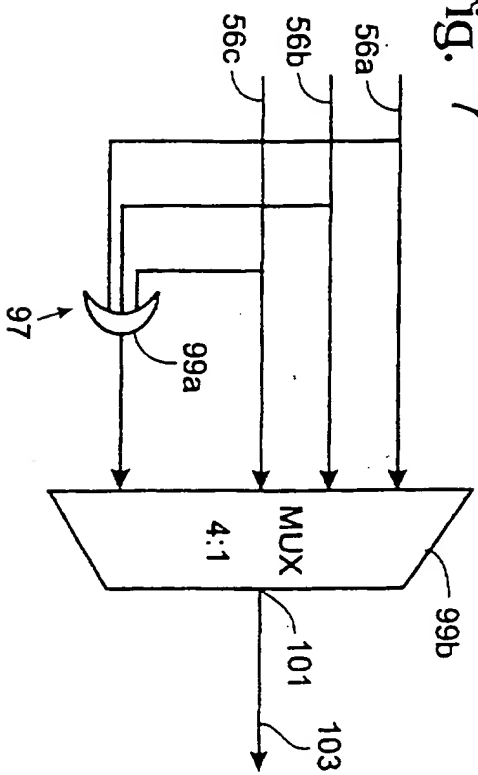


FIG. 8

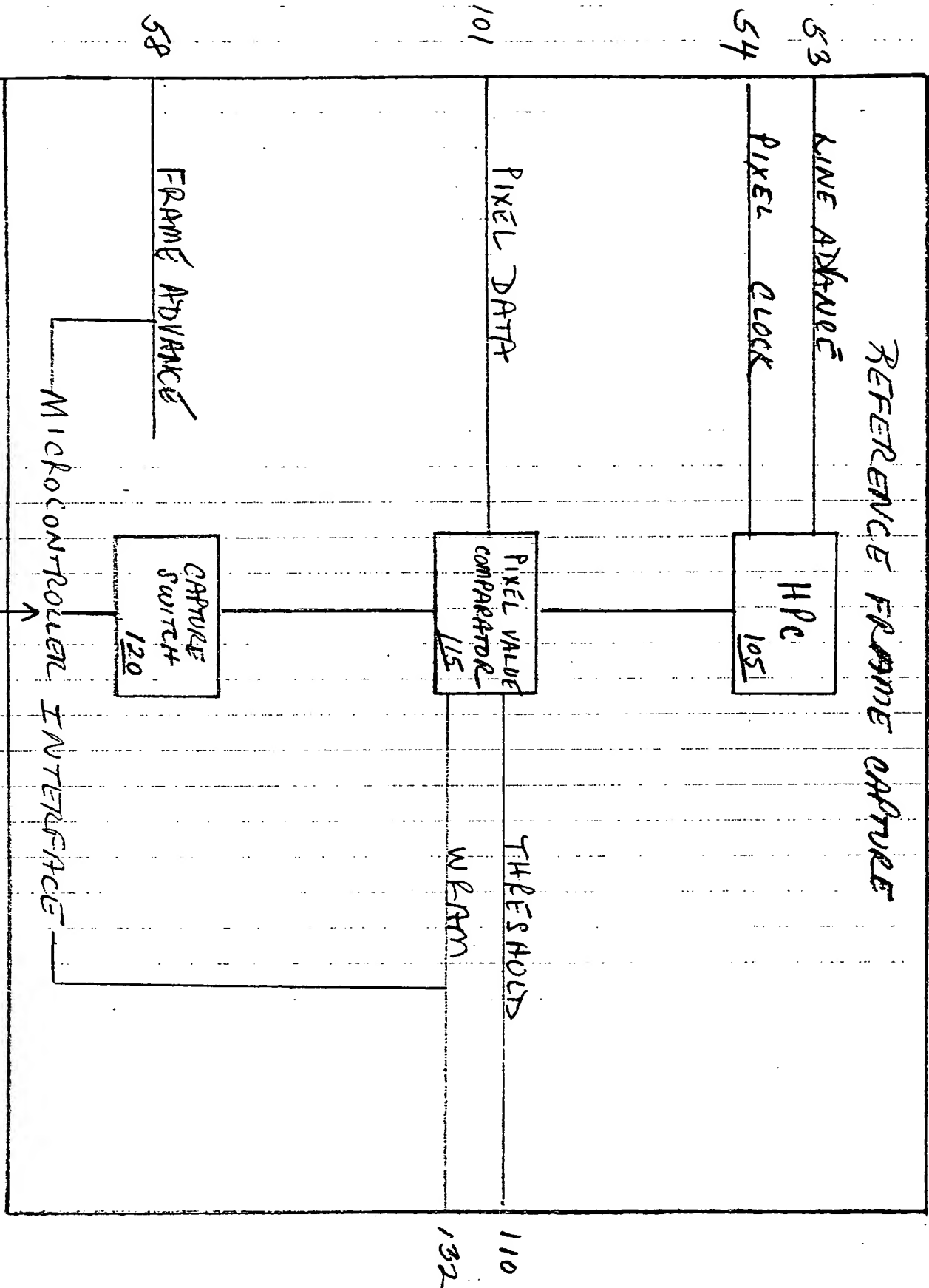
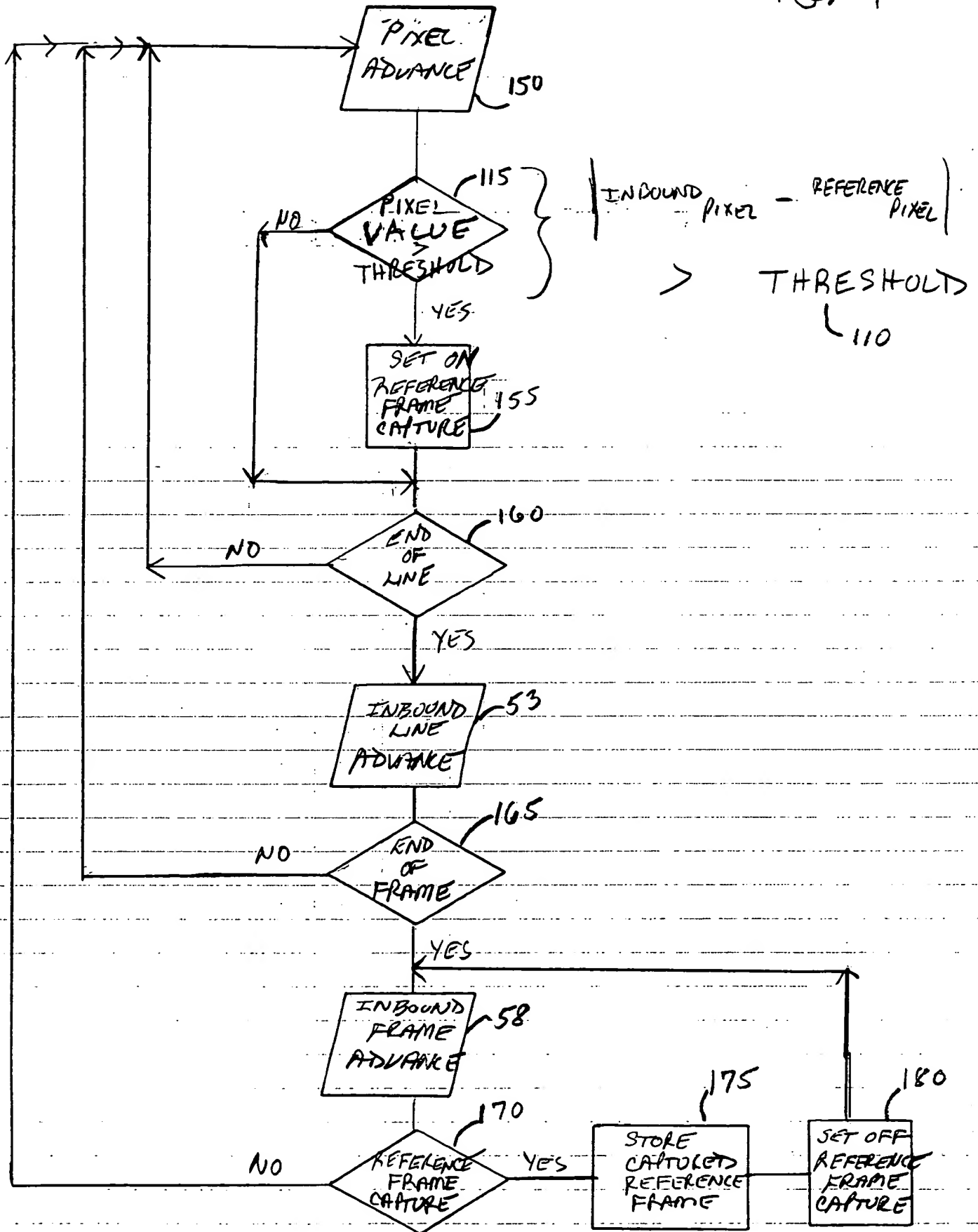


FIG. 9



| 58 LINE ²³⁰ FRAME ¹⁰⁵ | | HPC (HORIZONTAL POSITION COUNTER) | | | | | | | PIXEL VALUE COMPARISON | | ACTION | |
|---|--------|-----------------------------------|---|----|---|---|----|----|------------------------|---|--------------------------------|--|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | | | | |
| 1 | LINE 1 | 0 | 0 | FF | 0 | 0 | 0 | 0 | FF | 0 | STORE REFERENCE FRAME | |
| | 2 | 1 | 2 | FC | 1 | 0 | 1 | 0 | FE | 1 | | |
| | 3 | 0 | 2 | FC | 0 | 1 | 2 | 0 | FF | 3 | | |
| | 4 | 3 | 4 | FC | 0 | 1 | 2 | 0 | FC | 3 | | |
| | 5 | 3 | 4 | FC | 2 | 3 | FF | 3 | FC | 0 | | |
| 2 | LINE 1 | 0 | 0 | FC | 0 | 0 | 0 | 0 | FC | 0 | NO CHANGE | |
| | 2 | 1 | 2 | FD | 2 | 0 | 2 | 0 | FB | 1 | | |
| | 3 | 0 | 2 | FF | 0 | 1 | 3 | 0 | FD | 3 | | |
| | 4 | 3 | 4 | FC | 0 | 2 | 3 | 0 | FB | 3 | | |
| | 5 | 3 | 4 | FB | 2 | 3 | FF | 3 | FC | 0 | | |
| | | | | | | | | | $ 0-3 = 1$ | | | |
| | | | | | | | | | $ 3-3 = 0$ | | | |
| | | | | | | | | | | | | |
| 3232 | LINE 1 | 3 | 3 | FC | 0 | 0 | 0 | 0 | FC | 0 | SET ON REFERENCE FRAME CAPTURE | |
| | 2 | 1 | 3 | FD | 2 | 0 | 2 | 0 | FB | 1 | | |
| | 3 | 0 | 2 | FC | 0 | 3 | 3 | 0 | FC | 3 | | |
| | 4 | 3 | 4 | FC | 0 | 1 | FF | 0 | FB | 3 | | |
| | 5 | 3 | 4 | FB | 2 | 3 | FF | FF | FC | 0 | | |
| | | | | | | | | | $ 3-FF = FC$ | | | |
| | | | | | | | | | $ 3-FF = FC$ | | | |
| 3233 | LINE 1 | 5 | 5 | FF | 2 | 3 | 2 | 3 | FF | 1 | STORE REFERENCE FRAME | |
| | | | | | | | | | | | | |

FIG. 10

FIG. 11

INBOUND PIXEL 201

| | |
|---|-----|
| R | 245 |
| G | 200 |
| B | 87 |

203 - R | 245
 204 - G | 200
 205 - B | 87

REFERENCE 202
 (STORED) PIXEL

| | |
|---|-----|
| R | 241 |
| G | 204 |
| B | 200 |

241 | = 4 → FALSE
 204 | = 4 → FALSE
 200 | = 113 → TRUE

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